

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: **warrier et al.**
Examiner: **Crepeau**
Filed: **01/16/2004**

Group Art Unit: **1745**
Serial No. **10/758, 843**
Atty. Docket No.: **02-508-2**

DECLARATION UNDER RULE 1.132

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

I, Jean Yamanis, declares as follows:

1. I reside at 17 Pasture Lane, South Glastonbury, CT.
2. I am listed as an inventor of the above captioned case.
3. I have over 15 years of experience working and doing research in the area of electrochemistry and, in particular, solid oxide fuel cells.
4. I have reviewed US Patent 4,389,467 ("Singh") and US Patent 6,383,667 ("Allen") and am familiar with the teachings of both.
5. Allen teaches an organic adhesive comprised of any of the adhesives known to those skilled in the art which may be removed following stack assembly by means of oxidation at elevated temperature (lines 45-48, column 6).
7. In a solid oxide fuel cells contact resistances are high, therefore some means of minimizing ohmic resistance at the interface between the interconnect and electrode is required. One means of minimizing ohmic resistance is permanently bonding the interconnect to the electrode. This means is particularly suitable when a sizable mismatch in the coefficients of thermal expansion exist between a wire mesh compliant interconnect and the electrode.
8. The combination of Singh and Allen does not teach a permanent bond between

the electrode and the interconnect.

I hereby declare that all statements made herein of the declarant's own knowledge are true and that all statements made on information and belief are believed to be true. The declarant further states that the above statements were made with the full knowledge that willful false statements and the like are punishable by fine and/or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that any such willful false statements may jeopardize the validity of this application or any patent resulting therefrom.



Date: 10/3/08